Hsing-Yin Chen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Responsive fluorescence enhancement for in vivo Cu(II) monitoring in zebrafish larvae. Biosensors and Bioelectronics, 2022, 200, 113885.	10.1	4
2	Ring-Opening Polymerization of Îμ-Caprolactone by Using Aluminum Complexes Bearing Aryl Thioether Phenolates: Labile Thioether Chelation. Inorganic Chemistry, 2022, , .	4.0	8
3	Synthesis of Distorted Nitrogenâ€Doped Nanographenes by Partially Oxidative Cyclodehydrogenation Reaction. Chemistry - an Asian Journal, 2022, 17, .	3.3	1
4	Enhanced catalytic activity of copper nanoparticles electrochemically Co-deposited with cadmium towards the electroreduction of nitrate. Journal of Electroanalytical Chemistry, 2022, 914, 116325.	3.8	6
5	An investigation on catalytic nitrite reduction reaction by bioinspired Cu ^{II} complexes. Dalton Transactions, 2022, 51, 7715-7722.	3.3	7
6	DFT mechanistic study on the formation of 8-oxoguanine and spiroiminodihydantoin mediated by iron Fenton reactions. Dalton Transactions, 2021, 50, 9842-9850.	3.3	3
7	Synergistic Catalysis by BrÃ,nsted Acid/Carbodicarbene Mimicking Frustrated Lewis Pairâ€Like Reactivity. Angewandte Chemie, 2021, 133, 20102-20109.	2.0	6
8	Synergistic Catalysis by BrÃ,nsted Acid/Carbodicarbene Mimicking Frustrated Lewis Pair‣ike Reactivity. Angewandte Chemie - International Edition, 2021, 60, 19949-19956.	13.8	18
9	Near-IR Charge-Transfer Emission at 77 K and Density Functional Theory Modeling of Ruthenium(II)-Dipyrrinato Chromophores: High Phosphorescence Efficiency of the Emitting State Related to Spin–Orbit Coupling Mediation of Intensity from Numerous Low-Energy Singlet Excited States Journal of Physical Chemictry A 2021, 125, 903-919	2.5	6
10	Cembranoid-Related Diterpenes, Novel Secoditerpenes, and an Unusual Bisditerpene from a Formosan Soft Coral <i>Sarcophyton Tortuosum</i> . Bulletin of the Chemical Society of Japan, 2021, 94, 2774-2783.	3.2	7
11	<i>In vivo</i> monitoring of carbonic anhydrase expression during the growth of larval zebrafish: a new environment-sensitive fluorophore for responsive turn-on fluorescence. Chemical Communications, 2020, 56, 11307-11310.	4.1	4
12	Synthesis of triisocyanomesitylene β‑diketiminato copper(I) complexes and evaluation of isocyanide Ï€-back bonding. Polyhedron, 2020, 192, 114828.	2.2	5
13	CuBr ₂ -Mediated One-Pot Synthesis of Sulfonyl 9-Fluorenylidenes. Journal of Organic Chemistry, 2020, 85, 6897-6909.	3.2	4
14	The Mechanical Behaviors of Polyethylene/Silver Nanoparticle Composites: an Insight from Molecular Dynamics study. Scientific Reports, 2020, 10, 7600.	3.3	12
15	An excellent anode renders protic ionic liquids sustainable in metal electrodeposition. Green Chemistry, 2020, 22, 1821-1826.	9.0	4
16	Why the Reactive Oxygen Species of the Fenton Reaction Switches from Oxoiron(IV) Species to Hydroxyl Radical in Phosphate Buffer Solutions? A Computational Rationale. ACS Omega, 2019, 4, 14105-14113.	3.5	60
17	Low-Temperature Spectra and Density Functional Theory Modeling of Ru(II)-Bipyridine Complexes with Cyclometalated Ancillary Ligands: The Excited State Spin–Orbit Coupling Origin of Variations in Emission Efficiencies. Journal of Physical Chemistry A, 2019, 123, 9431-9449.	2.5	8
18	Synthesis of 2-Sulfonyl Indenes and Indanes. Journal of Organic Chemistry, 2019, 84, 11699-11723.	3.2	12

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19	Ovalbumin-Loaded Gelation Microneedles Made of Predictive Formulation by Molecular Dynamics Simulation for Enhancement of Skin Immunization. ACS Biomaterials Science and Engineering, 2019, 5, 6012-6021.	5.2	3
20	Construction of Sulfonyl Dihydrobenzo[<i>c</i>]xanthen-7-ones Core via NH ₄ OAc/PdCl ₂ /CuCl ₂ -Mediated Double Cyclocondensation of α-Sulfonyl <i>o</i> -Hydroxyacetophenones with 2-Allylbenzaldehydes. Journal of Organic Chemistry, 2019, 84, 15915-15925.	3.2	9
21	Mechanistic Study in Click Reactions by Using (<i>N</i> -Heterocyclic carbene)Copper(I) Complexes: Anionic Effects. Organometallics, 2019, 38, 223-230.	2.3	20
22	Structure and nitrite reduction reactivity study of bio-inspired copper(<scp>i</scp>)–nitro complexes in steric and electronic considerations of tridentate nitrogen ligands. Dalton Transactions, 2018, 47, 5335-5341.	3.3	17
23	Investigating mechanical properties of polymethylmethacrylate/silver nanoparticle composites by molecular dynamics simulation. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	52
24	Synthesis and Photophysical Characterization of 2,3â€Dihydroquinolinâ€4â€imines: New Fluorophores with Colorâ€Tailored Emission. Chemistry - A European Journal, 2018, 24, 1112-1120.	3.3	7
25	Catalytic polymerization of naphthalene by HF/BF ₃ super acid: an <i>ab initio</i> density functional theory study. Physical Chemistry Chemical Physics, 2018, 20, 23311-23319.	2.8	7
26	Nitric oxide-release study of a bio-inspired copper(i)-nitrito complex under chemical and biological conditions. Dalton Transactions, 2018, 47, 13151-13157.	3.3	5
27	A computational study of the Fenton reaction in different pH ranges. Physical Chemistry Chemical Physics, 2018, 20, 22890-22901.	2.8	67
28	Reactivity Study of Unsymmetrical β-Diketiminato Copper(I) Complexes: Effect of the Chelating Ring. Inorganic Chemistry, 2017, 56, 2722-2735.	4.0	12
29	Halogen-Mediated Cascade Cyclization Reaction of Aryldiynes to Indeno[1,2- <i>c</i>]chromene Derivatives. Journal of Organic Chemistry, 2017, 82, 6071-6081.	3.2	10
30	Molecular dynamics simulations of PAMAM dendrimer-encapsulated Au nanoparticles of different sizes under different pH conditions. Computational Materials Science, 2017, 137, 144-152.	3.0	20
31	Investigation of the dinuclear effect of aluminum complexes in the ring-opening polymerization of ε-caprolactone. RSC Advances, 2017, 7, 18851-18860.	3.6	15
32	Construction of Sulfonyl Oxabenzo[3.3.1]bicyclic Core via Cyclocondensation of β-Ketosulfones and <i>o</i> -Formyl Allylbenzenes. Journal of Organic Chemistry, 2017, 82, 13324-13332.	3.2	29
33	Prediction of Optical and Dielectric Properties of 4-Cyano-4-pentylbiphenyl Liquid Crystals by Molecular Dynamics Simulation, Coarse-Grained Dynamics Simulation, and Density Functional Theory Calculation. Journal of Physical Chemistry C, 2016, 120, 14277-14288.	3.1	18
34	Steric and chelating ring concerns on the <scp>l</scp> -lactide polymerization by asymmetric β-diketiminato zinc complexes. RSC Advances, 2016, 6, 36705-36714.	3.6	11
35	Improvement in Titanium Complexes Bearing Schiff Base Ligands in the Ring-Opening Polymerization of <i>L</i> Lactide: A Dinuclear System with Hydrazine-Bridging Schiff Base Ligands. Inorganic Chemistry, 2016, 55, 1642-1650.	4.0	36
36	Cooperative Effects in Copper PolyamidoÂamine Dendrimer Complexes Catalyzing the Reduction of Molecular Oxygen. European Journal of Inorganic Chemistry, 2015, 2015, 4839-4847.	2.0	6

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37	Aryl λ ³ â€lodaneâ€Mediated 6â€ <i>exo</i> â€ <i>trig</i> Cyclization to Synthesize Highly Substitute Chiral Morpholines. Advanced Synthesis and Catalysis, 2015, 357, 2788-2794.	$ed_{4.3}$	10
38	Comparative Study of Aluminum Complexes Bearing N,O- and N,S-Schiff Base in Ring-Opening Polymerization of Iµ-Caprolactone and <scp>l</scp> -Lactide. Inorganic Chemistry, 2015, 54, 11292-11298.	4.0	50
39	Coordinating effect in ring-opening polymerization of ε-caprolactone using aluminum complexes bearing bisphenolate as catalysts. RSC Advances, 2015, 5, 82018-82026.	3.6	10
40	Investigation on the Structural and Thermal Behaviors of Poly(amidoamine) Dendrimer-Encapsulated Au Nanoparticles of Different Sizes. Industrial & Engineering Chemistry Research, 2015, 54, 11560-11567.	3.7	6
41	Effective and site-specific phosphoramidation reaction for universally labeling nucleic acids. Analytical Biochemistry, 2014, 449, 118-128.	2.4	6
42	A K ₂ CO ₃ â€Mediated Regioselective Synthesis of Indole/Pyrroleâ€Fused 1,4â€Oxazines: An Unexpected Indoleâ€Fused Azlactone Synthesis. European Journal of Organic Chemistry, 2014, 2014, 6219-6226.	2.4	19
43	DFT Reinvestigation of DNA Strand Breaks Induced by Electron Attachment. Journal of Physical Chemistry B, 2014, 118, 11137-11144.	2.6	31
44	Catalytic improvement of titanium complexes bearing bis(aminophenolate) in ring-opening polymerization of l -lactide and É>-caprolactone. Journal of Molecular Catalysis A, 2014, 394, 97-104.	4.8	12
45	Interaction of electrons with cisplatin and the subsequent effect on DNA damage: a density functional theory study. Physical Chemistry Chemical Physics, 2014, 16, 19290.	2.8	14
46	Tortuosenes A and B, New Diterpenoid Metabolites from the Formosan Soft Coral <i>Sarcophyton tortuosum</i> . Organic Letters, 2014, 16, 1314-1317.	4.6	25
47	Anion Reduction Dominated Cathodic Limit of Metal-Free Ionic Liquid: Experimental and Theoretical Proofs. Journal of Physical Chemistry B, 2013, 117, 13899-13905.	2.6	6
48	A simple competition assay to probe pentacopper(I)-thiolato cluster ligand exchange. Journal of Inorganic Biochemistry, 2013, 120, 24-31.	3.5	6
49	Concise solid-phase synthesis of inverse poly(amidoamine) dendrons using AB2 building blocks. Chemical Communications, 2013, 49, 5784.	4.1	25
50	Theoretical Study of the Protonation of the One-Electron-Reduced Guanine–Cytosine Base Pair by Water. Journal of Physical Chemistry B, 2013, 117, 2096-2105.	2.6	14
51	A triple helical structure supported solely by C–H?O hydrogen bonding. Chemical Communications, 2012, 48, 1242-1244.	4.1	13
52	Copper(I) Nitro Complex with an Anionic [HB(3,5-Me ₂ Pz) ₃] ^{â^'} Ligand: A Synthetic Model for the Copper Nitrite Reductase Active Site. Inorganic Chemistry, 2012, 51, 9297-9308.	4.0	41
53	Nitric Oxide Turn-on Fluorescent Probe Based on Deamination of Aromatic Primary Monoamines. Inorganic Chemistry, 2012, 51, 5400-5408.	4.0	90
54	A New Approach to 1,4-Oxazines and 1,4-Oxazepines via Base-Promoted Exo Mode Cyclization of Alkynyl Alcohols: Mechanism and DFT Studies. Organic Letters, 2012, 14, 3134-3137.	4.6	34

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55	Hybrid Polyethylenimine and Polyacrylic Acid-Bound Iron Oxide as a Magnetoplex for Gene Delivery. Langmuir, 2012, 28, 3542-3552.	3.5	38
56	Effect of nucleobase sequence on the proton-transfer reaction and stability of the guanine–cytosine base pair radical anion. Physical Chemistry Chemical Physics, 2011, 13, 2674-2681.	2.8	30
57	Nearest- and Next-Nearest-Neighbor Ru(II)/Ru(III) Electronic Coupling in Cyanide-Bridged Tetra-Ruthenium Square Complexes Inorganic Chemistry, 2011, 50, 8274-8280.	4.0	31
58	Synthesis and Physicochemical Characterization of Carbon Backbone Modified [Gd(TTDA)(H2O)]2â^'Derivatives. Inorganic Chemistry, 2011, 50, 1275-1287.	4.0	16
59	Self-Assembly and Redox Modulation of the Cavity Size of an Unusual Rectangular Iron Thiolate Aryldiisocyanide Metallocyclophane. Inorganic Chemistry, 2011, 50, 10825-10834.	4.0	22
60	Syntheses and Pyrolyses of Furan Analogues of α-Oxo- <i>o</i> -quinodimethanes. Formation of Methylenecyclobutenone and 1-Buten-3-yne via a Vinylcarbene–Cyclopropene Rearrangement. Journal of Organic Chemistry, 2011, 76, 8440-8446.	3.2	9
61	Potassiumâ€encapsulated arsenicâ€dithiolato compounds: Synthesis, structural calculation, and biological relevance. Kaohsiung Journal of Medical Sciences, 2011, 27, 424-429.	1.9	3
62	Succinated chitosan as a gene carrier for improved chitosan solubility and gene transfection. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 174-183.	3.3	45
63	Characterization of A New Copper(I)â^'Nitrito Complex That Evolves Nitric Oxide. Inorganic Chemistry, 2010, 49, 5377-5384.	4.0	37
64	Microhydration of 9-methylguanine:1-methylcytosinebase pair and its radical anion: a density functional theory study. Physical Chemistry Chemical Physics, 2010, 12, 1253-1263.	2.8	12
65	Theoretical evidence of barrier-free proton transfer in 7-azaindole-water cluster anions. Journal of Chemical Physics, 2009, 130, 165101.	3.0	7
66	Long-distance electronic interaction in a molecular wire consisting of a ferrocenyl–ethynyl unit bridging two [(Î-5-C5H5)(dppe)M] metal centers. Journal of Organometallic Chemistry, 2009, 694, 1529-1541.	1.8	14
67	Tuning Through-Bond Fe(III)/Fe(II) Coupling by Solvent Manipulation of a Central Ruthenium Redox Couple. Inorganic Chemistry, 2009, 48, 1857-1870.	4.0	26
68	Proton Transfer in Guanineâ^'Cytosine Radical Anion Embedded in B-Form DNA. Journal of the American Chemical Society, 2009, 131, 15930-15938.	13.7	81
69	Synthesis, characterization, and structural study of iron–sulfur core {Cp2Fe2(μ-SEt)2} complexes. Journal of Organometallic Chemistry, 2008, 693, 3035-3042.	1.8	9
70	Crystal Engineering for ï€â^"ï€ Stacking via Interaction between Electron-Rich and Electron-Deficient Heteroaromatics. Journal of Organic Chemistry, 2008, 73, 4608-4614.	3.2	64
71	Synthesis and Characterization of Anthra[2,3-b]thiophene and Tetraceno[2,3-b]thiophenes for Organic Field-Effect Transistor Applications. Chemistry of Materials, 2007, 19, 3018-3026.	6.7	99
72	Cyanation: Providing a Three-in-One Advantage for the Design ofn-Type Organic Field-Effect Transistors. Chemistry - A European Journal, 2007, 13, 4750-4758.	3.3	183

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73	Toward the Rational Design of Functionalized Pentacenes: Reduction of the Impact of Functionalization on the Reorganization Energy. ChemPhysChem, 2006, 7, 2003-2007.	2.1	91
74	Effect of perfluorination on the charge-transport properties of organic semiconductors: density functional theory study of perfluorinated pentacene and sexithiophene. Chemical Physics Letters, 2005, 401, 539-545.	2.6	129
75	Ionization-Induced Proton Transfer in Model DNA Base Pairs: A Theoretical Study of the Radical Ions of the 7-Azaindole Dimer. ChemPhysChem, 2004, 5, 1855-1863.	2.1	21
76	Control of Hydrogen Bond Strengths through Push–Pull Effects Triggered by a Remote Reaction Center: A Theoretical Study. Chemistry - A European Journal, 2004, 10, 1616-1624.	3.3	5
77	Reply to the comment on `lodine effect on the relaxation pathway of photoexcited lâ^'(H2O)n clusters' [Chem. Phys. L 335 (2001) 475]. Chemical Physics Letters, 2002, 353, 459-462.	2.6	18
78	lodine effect on the relaxation pathway of photoexcited lâ^'(H2O) clusters. Chemical Physics Letters, 2001, 335, 475-480.	2.6	42
79	Theoretical ab initio study of the water trimer anion: Ground and excited state. Journal of Chemical Physics, 2001, 115, 10678-10684.	3.0	10
80	Precursors of the Charge-Transfer-to-Solvent States in I-(H2O)n Clusters. Journal of the American Chemical Society, 2000, 122, 7534-7542.	13.7	72
81	Dipole-bound anion of water dimer: Theoretical ab-initio study. Journal of Chemical Physics, 1999, 110, 9032-9038.	3.0	27